GPU PROGRAMMING WITH OPENACC

NSM Nodal Centre for Training in HPC and AI is organizing an online course on **GPU Programming with OpenACC**. The course is taught via live online lectures, and doubt sessions. The topics are listed below.

Topics

- Introduction to GPU
- OpenACC Hello World
- Compute Constructs (parallel, kernels, serial)
- Understanding Compiler Output
- Loop Construct and Loop-Carried Dependence
- Data Construct to Optimize Data Transfer
- Applications: Vector Operations, Substitution Cipher, Matrix Operations

Who may attend this course?

- If you have interest in learning to program GPUs
- Students from science and engineering
- Company personnel interested in programming GPUs
- Scientists and domain experts

Who should NOT attend this course?

- If you never heard of a graphics processing unit
- If you do not know programming

Course Details

https://www.cse.iitm.ac.in/~rupesh/events/openacc2022/

Register here

https://cce.iitm.ac.in/cep/register/index.php

Date

February 1 - 12, 2022

Fee

Student INR 500/-
All others INR 1000/-